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PTO/SB/05 (1-97)

Please type a plus sign (+) inside this box → ☐

Approved for use through 09/30/00. OMB 0651-0032.

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

8571:92

First Named Inventor or Application Identifier

Marc Dubois, et al.

Title: Method and Apparatus for Using a Two-Wave Mixing Ultrasonic
Detection in Rapid Scanning Applications

Express Mail Label No.

EV 011 384 862 US

APPLICATION ELEMENTS

See MPEP Chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Pages] 35
(preferred arrangement set forth below)
Descriptive title of the Invention
Background of the Invention
Brief Summary of the Invention
Brief Description of the Drawings (if filed)
Detailed Description
- Claim(s) [Pages] 14
Abstract of the Disclosure [Pages] 1
Figures [Pages] 17

4. ☒ Oath or Declaration [Total Pages] 5
(including Supplemental Declaration)
- a. ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR §1.63(d))
(for continuation/divisional with Box 17 completed)
- [Note Box 5 below]
- i. ☐ **DELETION OF INVENTOR(S)**
signed statement attached deleting
inventor(s) named in the prior application
See 37 CFR §1.63(d)(2) and 1.33(b)/

5. ☐ Incorporation by Reference (useable if Box 4B is checked) The entire disclosure
of the prior application, from which a copy of the oath or declaration is
supplied under Box 4b is considered as being part of the disclosure of
the accompanying application and is hereby incorporated by referenced therein.

6. ☐ Microfiche Computer Program (Appendix)

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identical of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & Documents(s))
9. ☐ 37 CFR §3 73(b) Statement (when there is an assignee)
☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/ PTO-1449
Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Small Entity Statement(s) (PTO/SB/09-12)*
☐ Statement filed in prior application
Status still proper and desired
*A new statement is required to be entitled to pay small entity fees,
except where one has been filed in a prior application and is being relied
upon.
15. ☐ Certified Copy of Priority Document(s)
if foreign priority is claimed
16. ☐ Other: _____

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment:

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____
- Prior application information: _____

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

22,444



Correspondence address below

NAME	Hughes & Luce, LLP		
ADDRESS	1717 Main Street, Suite 2800		
CITY	Dallas	STATE	Texas
COUNTRY	U.S.A.	TELEPHONE	214-939-6500
		ZIP CODE	75201
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Name (Print/Type)	John Schell	Registration No. (Attorney/Agent)	P-50776
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Signature		Date	1.30.02
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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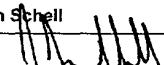
FEE TRANSMITTAL FOR FY 2002		Application Number	Not Yet Assigned
- Patent Fees are subject to annual revision.		Filing Date	January 30, 2002
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		First Named Inventor	Marc Dubois
		Examiner Name	Not Yet Assigned
		Group / Art Unit	Not Yet Assigned
Total Amount of Payment	\$ 2876.00	Attorney Docket No.	8571:92

METHOD OF PAYMENT (check all that apply)	
<input type="checkbox"/> Check	<input type="checkbox"/> Credit Card
<input type="checkbox"/> Money Order	<input type="checkbox"/> Other
<input type="checkbox"/> None	
<input checked="" type="checkbox"/> Deposit Account:	
Deposit Account No : 50-1343	
Deposit Account Name: Hughes & Luce, LLP	
The Commissioner is authorized to: (check all that apply)	
<input type="checkbox"/> Charge any fee(s) indicated below	
<input checked="" type="checkbox"/> Credit any overpayments	
<input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application	
<input type="checkbox"/> Charge fee(s) indicated below (except for the filing date) to be above identified deposit account.	

FEE CALCULATION				
1. Basic Filing Fee				
Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Paid
101	740	201	370	Utility Filing Fee \$ 740.00
106	330	206	165	Design Filing Fee \$
107	510	207	255	Plant Filing Fee \$
108	740	208	370	Reissue Filing Fee \$
114	160	214	80	Provisional Filing Fee \$
Subtotal (1)				\$740.00

2. Extra Claim Fees For Utility and Reissue				
Claims	Extra	Fee (below)	Fee Paid	
Total 78 - 20** =	58	x \$ 18/9	= \$ 1044 00	
Indep 16 - 3** =	13	x \$ 84/42	= \$ 1092 00	
Multiple Dependent			\$	
Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
Subtotal (2)				\$ 2136.00
**or number previously paid, if greater. For Reissues, see below				

FEE CALCULATION (continued)					
3. Additional Fees					
Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late fee or oath	\$
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	\$
139	130	139	130	Non-English specification	
147	2,520	147	2,520	Request for Reexamination	\$
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	\$
113	1840*	113	1840*	Requesting publication of SIR after Examiner action	\$
115	110	215	55	Extension for reply within first month	\$
116	400	216	200	Extension for reply within second month	\$
117	920	217	460	Extension for reply within third month	\$
118	1,440	218	720	Extension for reply within fourth month	\$
128	1,960	228	980	Extension for reply within fifth month	\$
119	320	219	160	Notice of Appeal	\$
120	320	220	160	Filing a brief in support of an appeal	\$
121	280	221	140	Request for oral hearing	\$
138	1510	138	1510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	\$
141	1,280	241	640	Petition to revive - unintentional	\$
142	1,280	242	640	Utility issue fee (or reissue)	\$
143	460	243	230	Design issue fee	\$
144	620	244	310	Plant issue fee	\$
122	130	122	130	Petitions to the Commissioner	\$
123	50	123	50	Petitions related to provisional applications	\$
126	180	126	180	Submission of Information Disclosure Statement	\$
581	40	581	40	Recording each patent assignment per property (times number of properties)	\$
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	\$
179	740	279	370	Request for Continued Examination (RCE)	\$
169	900	169	900	Request for expedited examination of a design application	\$
Other fee (specify):					\$
* Reduced by Basic Filing Fee Paid					
Subtotal (3)				\$	

SUBMITTED BY				
Name (Print/Type)	John Schell	Registration No.	P--50776	Telephone
Signature				214-939-5500
			Date	1.30.02